

**GERANYL DIPHOSPHATE SYNTHASE LARGE SUBUNIT, AND
METHODS OF USE**

Abstract of the Disclosure

5 A cDNA encoding geranyl diphosphate synthase large subunit from
peppermint has been isolated and sequenced, and the corresponding amino acid
sequence has been determined. Replicable recombinant cloning vehicles are
provided which code for geranyl diphosphate synthase large subunit). In another
aspect, modified host cells are provided that have been transformed, transfected,
infected and/or injected with a recombinant cloning vehicle and/or DNA sequence
10 encoding geranyl diphosphate synthase large subunit. In yet another aspect, the
present invention provides isolated, recombinant geranyl diphosphate synthase
protein comprising an isolated, recombinant geranyl diphosphate synthase large
subunit protein and an isolated, recombinant geranyl diphosphate synthase small
subunit protein. Thus, systems and methods are provided for the recombinant
15 expression of geranyl diphosphate synthase.

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